PROJECTS UNDER CONSTRUCTION

URBAN RUNOFF REQUIREMENTS

ALL PROJECTS UNDER CONSTRUCTION IN THE CITY OF TORRANCE MUST FOLLOW SPECIFIC BEST MANAGEMENT PRACTICES, OR BMPS. BMPS INSURE THAT HAZARDOUS MATERIALS, POLLUTANTS AND OTHER ITEMS ARE CONTAINED ON SITE AND DO NOT GET WASHED OR DUMPED INTO THE STORM DRAIN SYSTEM. THE BMPS IN THE LIST BELOW ARE REQUIRED BY CITY CODE SECTION 411.1. BMPS MUST BE PUT INTO PRACTICE AT THE START OF ANY CONSTRUCTION ON PRIVATE PROPERTY OR IN THE PUBLIC RIGHT OF WAY THAT MAY IMPACT THE DRAINAGE SYSTEM. BMPS MUST BE FULLY IMPLEMENTED UNTIL ALL WORK THAT MAY IMPACT THE DRAINAGE SYSTEM HAS BEEN COMPLETED.

THE CONTRACTOR IS SOLELY RESPONSIBLE, AT ITS EXPENSE, TO PROVIDE ALL LABOR, TOOLS, MATERIALS, EQUIPMENT AND DEVICES NECESSARY TO IMPLEMENT ALL BMPS TO THE SATISFICATION OF THE COMMUNITY DEVELOPMENT AND PUBLIC WORKS DIRECTORS, AND IS NOT PERMITTED TO BEGIN CONSTRUCTION UNTIL SUCH ITEMS ARE IN PLACE.

BEST MANAGEMENT PRACTICES

(BMPS)

1. RUNOFF CONTAINING SEDIMENT, OIL, GREASE AND CONSTRUCTION WASTE FROM CONSTRUCTION SITES AND PARKING AREAS MUST NOT LEAVE THE SITE OR ENTER ANY ON-SITE STORM DRAIN.
2. ANY SEDIMENT OR OTHER MATERIALS WHICH ARE TRACKED OFF THE SITE MUST BE CLEANED AND REMOVED THE SAME DAY. WHERE DETERMINED TO BE NECESSARY BY THE DESIGNATED CITY REPRESENTATIVE, A TEMPORARY SEDIMENT BARRIER MUST BE INSTALLED.
3. DURING EMERGENCIES, A PLASTIC COVERING MAY BE USED TO PREVENT EROSION OF AN UNPROTECTED AREA, ALONG WITH DEVICES DESIGNED TO INTERCEPT AND SAFELY DIVERT RUNOFF.
4. EXCAVATED SOIL MUST BE PLACED ON-SITE IN A WAY THAT INSURES THAT THE SOIL WON'T BE WASHED INTO THE STREET OR ADJOINING PROPERTIES.
5. DURING THE RAINY SEASON OR IF CHANCE OF PRECIPITATION EXIST, SOIL PILES MUST BE COVERED UNTIL THE SOIL IS EITHER USED OR REMOVED.
6. WASHING OF CONSTRUCTION OR OTHER INDUSTRIAL VEHICLES IS NOT ALLOWED ADJACENT TO THE CONSTRUCTION SITE. RUNOFF FROM THE WASHING OF VEHICLES ON A CONSTRUCTION SITE IS NOT ALLOWED TO LEAVE THE SITE OR ENTER THE STORM DRAIN.
7. DRAINAGE CONTROLS MUST BE USED AS NEEDED, DEPENDING ON THE EXTENT OF PROPOSED GRADING AND TOPOGRAPHY OF THE SITE.

PENALTIES FOR NON-COMPLIANCE

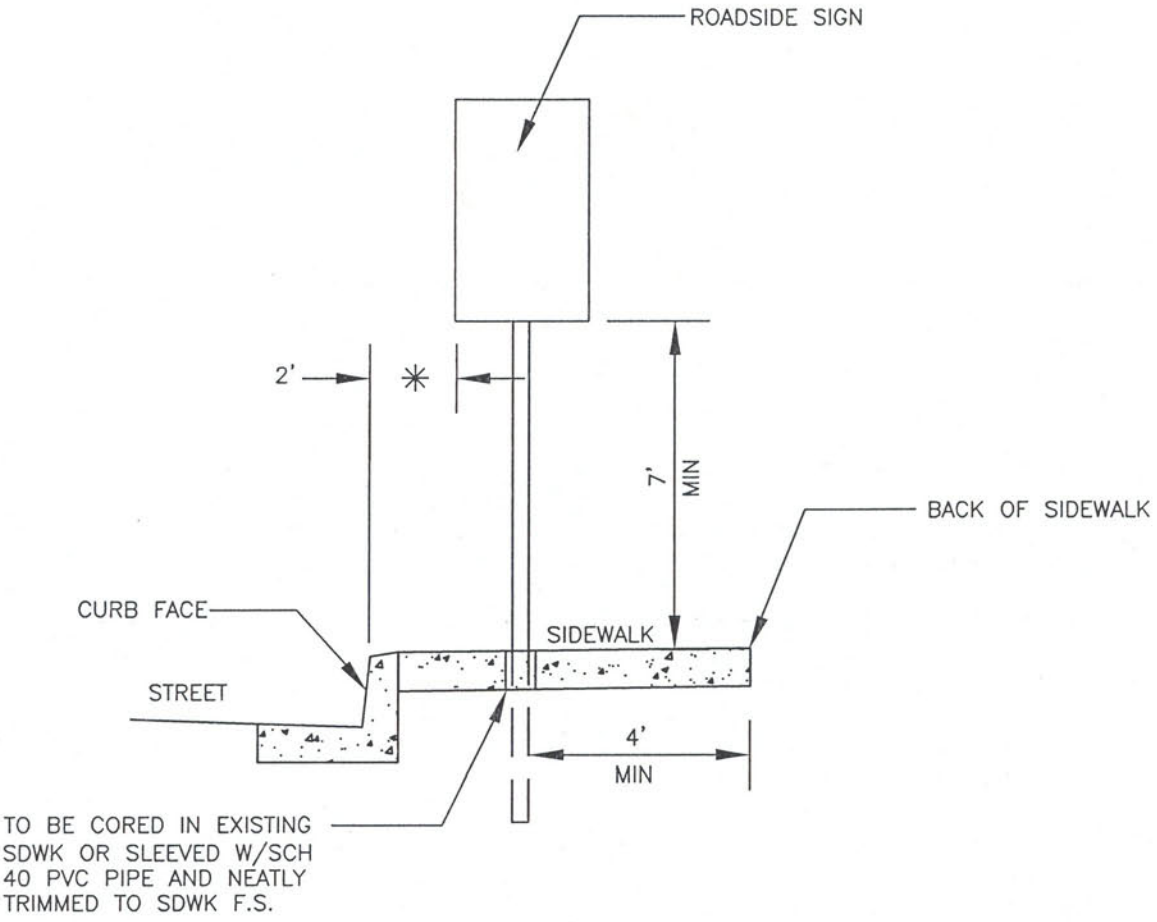
FAILURE TO IMPLEMENT BEST MANAGEMENT PRACTICES AT CONSTRUCTION SITES SHALL CONSTITUTE A MISDEMEANOR PUNISHABLE BY A FINE AS PER CITY ORDINANCE NO. 3452. EACH DAY THAT A VIOLATION OCCURS SHALL CONSTITUTE A SEPARATE OFFENSE. THE CITY IS ALSO AUTHORIZED TO ABATE VIOLATIONS BY MEANS OF A CIVIL ACTION. CONSTRUCTION SITES ARE SUBJECT TO STOPPAGE OF WORK FOR VIOLATION OF THESE REQUIREMENTS.

VIOLATION OF THESE PROVISIONS ALSO VIOLATE THE REGULATION OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), CLEAN WATER SECTION 402 AND DIVISION 7 OF THE CALIFORNIA WATER CODE. THE VIOLATOR MAY BE SUBJECTED TO FINES AND/OR IMPRISONMENT AS PER STATE AND/OR FEDERAL STATUTES.

CITY OF TORRANCE

DATE ISSUED	NPDES - BEST MANAGEMENT PRACTICES	STANDARD NO.
23 SEP 2009	ROBERT J. BESTE PUBLIC WORKS DIRECTOR R.C.E. NO. 50737	T303
		SHEET 1 OF 1

TT/T303



* 1' MIN. WHERE LATERAL CLEARANCE LIMITED

NOTES :

1. THIS STANDARD APPLIES TO THE PLACEMENT OF PERMANENT ROADSIDE SIGNS, INCLUDING WARNING SIGNS, REGULATORY SIGNS, AND GUIDE SIGNS.

2. FOR SIGN POSTS WITH MULTIPLE SIGNS, THE 7–FOOT MINIMUM CLEARANCE SHALL BE TO THE BOTTOM OF THE LOWEST SIGN.

CITY OF TORRANCE

DATE ISSUED	ROAD SIGN PLACEMENT	STANDARD NO.
02 JUL 2008	ROBERT J. BESTE PUBLIC WORKS DIRECTOR R.C.E. NO. 50737	T502
		SHEET 1 OF 1

TT\T502

TT/T1001

CITY OF TORRANCE - WORK AREA TRAFFIC CONTROL

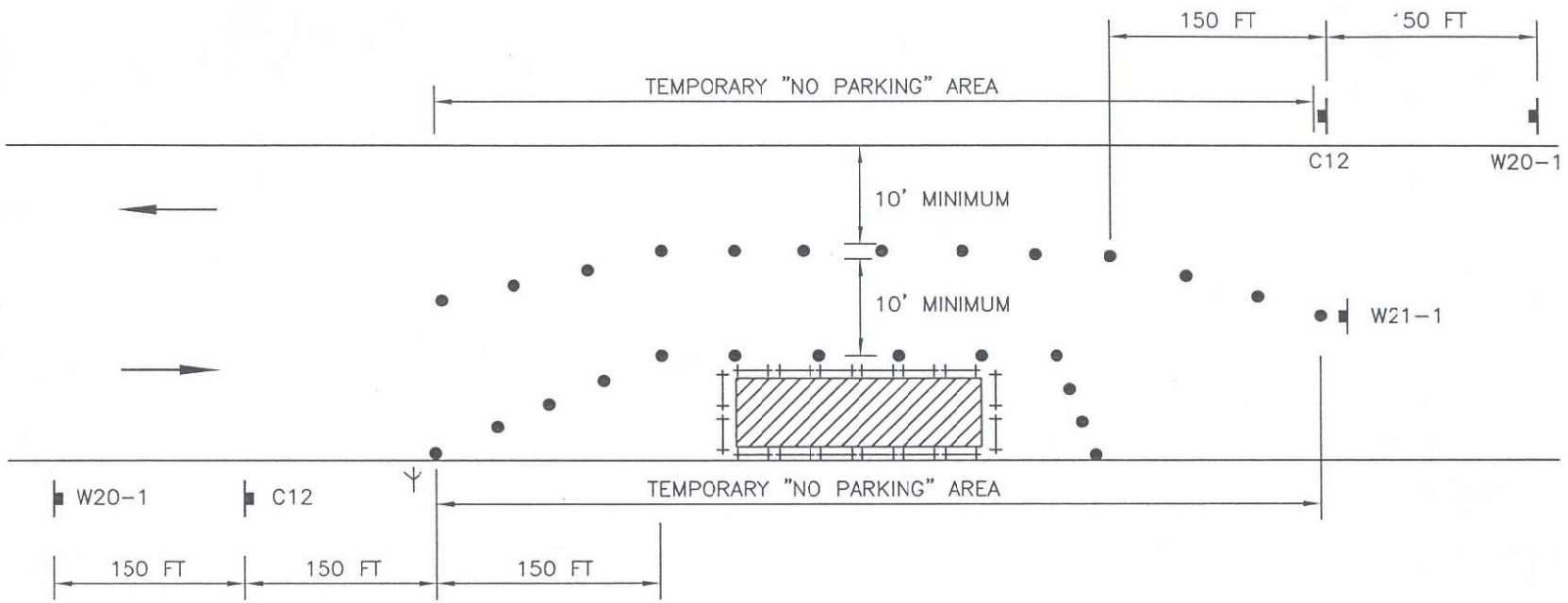
TYPICAL CURBSIDE STREET CLOSURE FOR LOCAL STREET

DATE ISSUED: 19 FEB 2008

STANDARD NO. T1001

SHEET 1 OF 1

ROBERT J. BESTE
PUBLIC WORKS DIRECTOR
R.C.E. NO. 50737



DESIGN TRAFFIC SPEED
25 MPH

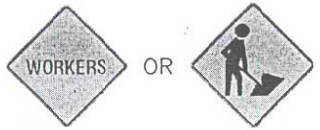
DELINEATOR SPACING	
(TAPER)	(TANGENT)
25 FT.	25 FT.

CONSTRUCTION SIGNS:

C12(CA) : NARROW LANE

W20-1 : ROAD WORK AHEAD

W21-1 : WORKERS OR W21-1a



LEGEND:

- HIGH LEVEL WARNING DEVICE WITH W21-1 OR W21-1a
- 28" TRAFFIC CONE OR 36" POST TUBE DELINEATOR
- SIGN
- BARRICADE (FOR EXCAVATION ONLY)
- WORK AREA
- TRAFFIC DIRECTION

TT/T1004

CITY OF TORRANCE - WORK AREA TRAFFIC CONTROL

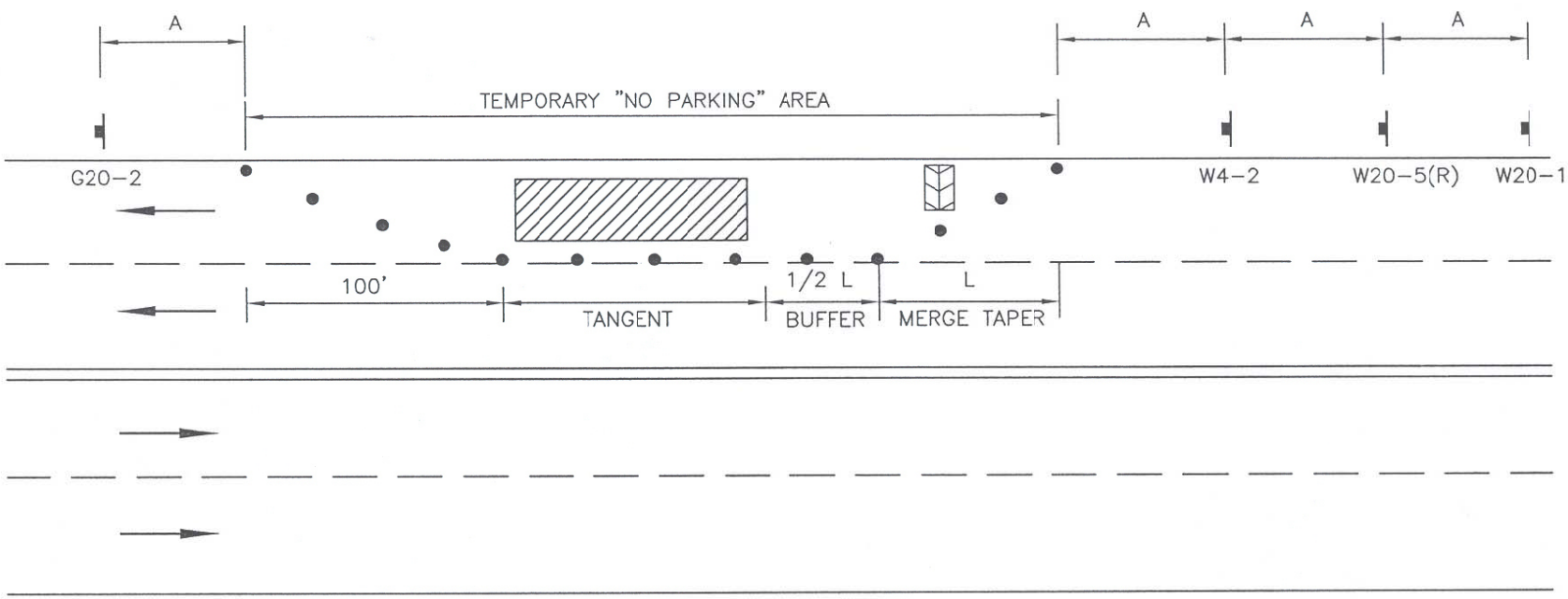
ARTERIAL & COLLECTOR
RIGHT LANE CLOSURE

DATE ISSUED
19 FEB 2008

ROBERT J. BESTE
PUBLIC WORKS DIRECTOR
R.C.E. NO. 50737

STANDARD NO.
T1004

SHEET 1 OF 1



MINIMUM RECOMMENDED DELINEATOR AND SIGN PLACEMENT					
DESIGN SPEED	MERGE TAPER LENGTH (L)	DELINEATOR SPACING		DISTANCE BETWEEN SIGNS (A)	BUFFER LENGTH (1/2 L)
		(TAPER)	(TANGENT)		
30 MPH	180 FT.	30 FT.	60 FT.	100 FT.	90 FT
35 MPH	245 FT.	35 FT.	70 FT.	100 FT.	125 FT
40 MPH	320 FT.	40 FT.	80 FT.	100 FT.	160 FT
45 MPH	540 FT.	45 FT.	90 FT.	350 FT.	270 FT
50 MPH	600 FT.	50 FT.	100 FT.	350 FT.	300 FT

LEGEND:

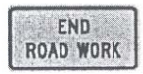
- TRAFFIC DRUM OR 36" POST TUBE DELINEATOR
- SIGN WITH FLAG TREE
- FLASHING LEFT ARROW
- WORK AREA
- TRAFFIC DIRECTION

CONSTRUCTION SIGNS:

W20-1 ROAD WORK AHEAD

W20-5(R): RIGHT LANE CLOSED AHEAD

W4-2 : LANE END (SYMBOL)



G20-2 : END ROAD WORK (OPTIONAL)